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Proposed Maximum Residue Limit PMRL2012-37

Chlorpyrifos

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Under the authority of the *Pest Control Products Act*, Health Canada's Pest Management Regulatory Agency (PMRA) has concluded that the addition of a new use on green onions to the product label of Lorsban 4E Insecticide, containing technical grade chlorpyrifos, is acceptable. The specific use approved in Canada is detailed on the label of Lorsban 4E Insecticide, *Pest Control Products Act* Registration Number 14879.

The evaluation of this chlorpyrifos application indicated that the end-use product has merit and value and the human health and environmental risks associated with the new use are acceptable. Details regarding the registration can be found in the corresponding Evaluation Report available in the Pesticides and Pest Management section of Health Canada's website, under Public Registry, Pesticide Product Information Database.[1]

Before registering a pesticide for food use in Canada, the PMRA must determine the quantity of residues that are likely to remain in or on the food when the pesticide is used according to label directions and that such residues will not be a concern to human health. This quantity is then legally established as a maximum residue limit (MRL). An MRL applies to the identified raw agricultural food commodity as well as to any processed food product that contains it, except where separate MRLs are specified for the raw agricultural commodity and a processed product made from it.

Consultation on the proposed MRL for chlorpyrifos is being conducted via this document (see Next Steps, the last section of this document).

To comply with Canada's international trade obligations, consultation on the proposed MRL is also being conducted internationally by notifying the World Trade Organization, as coordinated by the Standards Council of Canada.

The proposed MRL in Canada in or on food, to be added to the MRLs already established for chlorpyrifos, is as follows.

Table 1 Proposed Maximum Residue Limit for Chlorpyrifos

Common Name	Residue Definition	MRL (ppm)	Food Commodity
Chlorpyrifos	*O,O*-diethyl-*O*-(3,5,6- trichloro-2-pyridyl) phosphorothioate, including the metabolite 3,5,6-trichloro-2-pyridinol	0.5	Green onion subgroup (Crop Subgroup 3-07B)

ppm = parts per million

[1] The relevant report can be accessed by selecting Programs and Special Actions/Minor Use/Historical and requesting the Evaluation Report listed under Application Number 2011-0720.

MRLs are proposed for each commodity included in the green onion subgroup in accordance with the Residue Chemistry Crop Groups webpage in the Pesticides and Pest Management section of Health Canada's website.

A complete list of pesticide MRLs established in Canada, as of the date indicated, can be found on the Maximum Residue Limits for Pesticides webpage in the Pesticides and Pest Management section of Health Canada's website.

International Situation and Trade Implications

The proposed green onion subgroup MRL for chlorpyrifos in Canada does not have a corresponding American tolerance or Codex MRL[2]. Tolerances established in the United States are listed in the Electronic Code of Federal Regulations, 40 CFR Part 180, by pesticide. Codex MRLs are listed on the Codex Alimentarius Pesticide Residues in Food webpage, by pesticide or commodity.

Next Steps

The PMRA invites the public to submit written comments on the proposed MRLs for chlorpyrifos up to 75 days from the date of publication of this document. Please forward your comments to Publications (see the contact information on the cover page of this document). The PMRA will consider all comments received before making a final decision on the proposed MRLs for chlorpyrifos and posting a corresponding Established Maximum Residue Limit document in the Pesticides and Pest Management section of Health Canada's website.

[2] The Codex Alimentarius Commission is an international organization under the auspices of the United Nations that develops international food standards, including MRLs.